

## Century Eagle

by Arya Akhavan (August 2013)

Angles for R.I. = 1.650

45 + 12 girdles = 57 facets

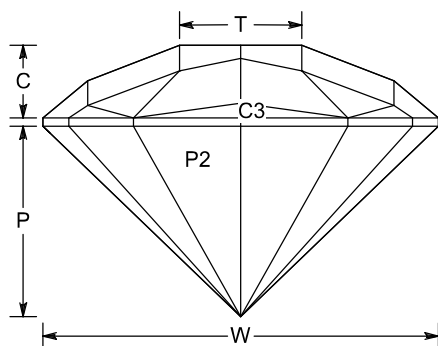
1-fold, mirror-image symmetry

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L/W = 1.038 T/W = 0.309 U/W = 0.285

P/W = 0.480 C/W = 0.184

Vol./W<sup>3</sup> = 0.205



### PAVILION

P1	43.04°	17-47-49-79	Cut to centerpoint.
P2	43.14°	03-13-83-93	Meet at culet.
P3	46.17°	27-37-59-69	Meet at culet.
G1	90.00°	31-33-63-65	Set stone size.
G2	90.00°	17-47-49-79	Establish girdle level.
G3	90.00°	03-13-83-93	Level girdle.
P4	74.90°	31-33-63-65	Level girdle.

### CROWN

C1	58.11°	31-33-63-65	Set girdle width.
C2	33.00°	17-47-49-79	Level girdle.
C3	35.07°	03-13-83-93	Level girdle.
C4	31.27°	48	Meet G2, C2
C5	27.89°	04-12-84-92	Meet G3, C3
C6	25.26°	14-82	Meet C2, C3, C5
C7	22.11°	28-36-60-68	Meet C1, C2, C4; C1, C2, C6
C8	23.55°	48	Meet C1, C2, C4, C7
C9	18.35°	08-32-64-88	Meet C1, C7; C5, C6
T	0.00°	Table	

This is yet another design I made by taking old designs and rotating/reflecting them randomly. This surprisingly interesting design reminded me a bit of spacecraft from Star Wars, hence the play on "Millenium Falcon".

Works in materials from quartz to zircon (RI = 1.54 - 1.93) with no changes, but I prefer it in peridot.

Suggested length = 8-15 mm

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